

# G100 Cellular/Iridium

3G/Iridium Hybrid tracking device



## APPLICATIONS



Vehicle and  
Fleet Tracking



Lone and  
Remote  
Workers



Out of cellular  
coverage  
locations



Accident,  
rollover and  
harsh driving



Mining, Oil  
and Gas Rigs

Safety requirements for lone or remote workers such as location, communication, duress, accident, breakdown and emergency response are covered by the state-of-the-art G100 3G/Iridium Hybrid option.

Your workforce remains connected and proactively monitored anywhere.

## FEATURES

- 24/7 Vehicle Location
- Cellular data when in coverage
- Iridium satellite out of cell coverage
- SOS Duress and / or Breakdown button
- Man Down Pendant (option)
- Alarms for non or late arrivals\*
- Alerts by SMS and email
- SOS and Schedule-in button
- Black Box Data crash information

## MECHANICAL FEATURES

Snap-Clip ABS Plastic Housing	Housing clips together for easy assembly
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Operating temperature	-20°C to +60°C
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Dimensions (mm)	L 125 x W 65 x H 30
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Weight	250 grams including battery
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Automotive Power	8-45V DC
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## CONNECTIVITY

Cellular	2G/3G (Various Global Bands)
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SIM	SIM holder for standard Cellular SIM card (2FF size)
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GPS and Cellular Antenna	Internal antennas tuned by RF laboratories to ensure optimal performance
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## GPS TRACKING

GPS Module	U-Blox Max8 GPS, High sensitivity assisted GPS receiver, 72 channel (-167dBm)
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AssistNow Offline	Predicts satellite locations Reduces the time to first fix Improves performance in "urban canyons"
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Antenna with LNA	Boosted by low-noise amplifier (LNA) allows operation in "urban canyons"
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## SPECIFICATIONS

Recovery Mode	Switch from Daily Locate to Live Tracking over-the-air
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Auto-APN	Analyse SIM and detect APN from pre-loaded list
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3D Accelerometer	3 axis accelerometer intelligently reports on harsh driving and suspected accident events, as well as harsh braking, acceleration and cornering
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G-Force Events	Accident and Rollover Accident Data (Black Box) Harsh Acceleration, Braking and Cornering
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Driver ID	Driver Identification with RFID or iButton (Keyfobs) Driver Lists on device
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Inputs and Outputs	4 x Digital Inputs configurable over-the-air 2 x Switched Ground Digital Outputs
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Interfaces	iButton, RS232, DMCAN, 5V Out
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## IRIDIUM FLEXI-CARD

Iridium Satellite	Auto-switch cellular/iridium When out of GSM coverage, important data reported via Iridium
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Important Uploads	Choose to send a subset of data when using Iridium, or a longer period between uploads to reduce Iridium data usage. Configurable over-the-air. Upon returning to GSM coverage the entire data set is uploaded.
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